

<b>FORM 1449*</b> <b>INFORMATION DISCLOSURE STATEMENT</b>  <b>IN AN APPLICATION</b> (Use several sheets if necessary)	Docket Number: 12008.39USC1	Application Number: Unknown
	Applicant: SAY ET AL.	
	Filing Date: herewith	Group Art Unit: unknown

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
①	4,552,840	11/12/1985	Riffer			
	4,560,534	12/24/1985	Kung et al.			
	4,571,292	02/18/1986	Liu et al.			
	4,573,994	03/04/1986	Fischell et al.			
	4,581,336	04/08/1986	Malloy et al.			
	4,595,011	06/17/1986	Phillips			
	4,595,479	06/17/1986	Kimura et al.			
	4,619,754	10/28/1986	Niki et al.			
	4,633,878	01/06/1987	Bombardieri			
	4,637,403	01/20/1987	Garcia et al.			
	4,650,547	03/17/1987	Gough			
	4,654,197	03/31/1987	Lilja et al.			
	4,655,880	04/07/1987	Liu			
	4,655,885	04/07/1987	Hill et al.			
	4,671,288	06/09/1987	Gough			
	4,679,562	07/14/1987	Luksha			
	4,680,268	07/14/1987	Clark, Jr.			
	4,682,602	07/28/1987	Prehaska Watanabe et al.			
	4,684,537	08/04/1987	Graetzel et al.			
	4,685,463	08/11/1987	Williams			
	4,703,756	11/03/1987	Gough et al.			
	4,711,245	12/08/1987	Higgins et al.			
	4,717,673	01/05/1988	Wrighton et al.			
	4,721,601	01/26/1988	Wrighton et al.			
	4,726,378	02/23/1988	Kaplan			
	4,750,496	06/14/1988	Reinhart et al.			
	4,757,022	07/12/1988	Shults et al.			

EXAMINER <i>[Signature]</i>	DATE CONSIDERED 9/24/02
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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>to</i>	4,758,323	07/19/1988	Davis et al.			
	4,759,371	07/26/1988	Franetski			
	4,759,828	07/26/1988	Young et al.			
	4,764,416	08/16/1988	Ueyama et al.			
	4,776,944	10/11/1988	Janata et al.			
	4,781,798	11/01/1988	Gough			
	4,784,736	11/15/1988	Lonsdale et al.			
	4,795,707	01/03/1989	Niiyama et al.			
	4,805,624	02/21/1989	Yao et al.			
	4,813,424	03/21/1989	Wilkins			
	4,815,469	03/28/1989	Cohen et al.			
	4,820,399	04/11/1989	Senda et al.			
	4,822,337	04/18/1989	Newhouse et al.			
	4,830,959	05/16/1989	McNeil et al.			
	4,832,797	05/23/1989	Vadgama et al.			
	4,840,893	06/20/1989	Hill et al.			
	4,848,351	07/18/1989	Finch			
	4,871,351	10/03/1989	Feingold			
	4,871,440	10/03/1989	Nagata et al.			
	4,890,620	01/02/1990	Gough			
	4,894,137	01/16/1990	Takizawa et al.			
	4,897,162	01/30/1990	Lewandowski et al.			
	4,897,173	01/30/1990	Nankai et al.			
	4,909,908	03/20/1990	Ross et al.			
	4,911,794	03/27/1990	Parce et al.			
	4,919,141	04/24/1990	Zier et al.			
	4,919,767	04/24/1990	Vadgama et al.			
<i>✓</i>	4,923,586	05/08/1990	Katayama et al.			

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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>AP</i>	4,927,516	05/22/1990	Yamaguchi et al.			
	4,935,105	06/19/1990	Churchouse			
	4,935,345	06/19/1990	Guilbeau et al.			
	4,936,956	06/26/1990	Wrighton			
	4,938,860	07/03/1990	Wogoman			
	4,942,127	07/17/1990	Wada et al.			
	4,945,045	07/31/1990	Forrest et al.			
	4,950,378	08/21/1990	Nagata			
	4,953,552	09/04/1990	DeMarzo			
	4,968,400	11/06/1990	Shimomura et al.			
	4,970,145	11/13/1990	Bennetto et al.			
	4,974,929	12/04/1990	Curry			
	4,986,271	01/22/1991	Wilkins			
	4,994,167	02/19/1991	Shults et al.			
	5,034,192	07/23/1991	Wrighton et al.			
	5,037,527	08/06/1991	Hayashi et al.			
	5,070,535	12/03/1991	Hochmair et al.			
	5,078,854	01/07/1992	Burgess et al.			
	5,082,550	01/21/1992	Rishpon et al.			
	5,082,786	01/21/1992	Nakamoto			
	5,089,112	02/18/1992	Skotheim et al.			
	5,094,951	03/10/1992	Rosenberg			
	5,096,560	03/17/1992	Takai et al.			
	5,096,836	03/17/1992	Macho et al.			
	5,101,814	04/07/1992	Palti			
<i>✓</i>	5,108,564	04/28/1992	Szuminsky et al.			
<i>AP</i>	5,109,850	05/05/1992	Blanco et al.			

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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
cto	5,120,420	06/09/1992	Nankai et al.			
	5,120,421	06/09/1992	Glass et al.			
	5,126,034	06/30/1992	Carter et al.			
	5,126,247	06/30/1992	Palmer et al.			
	5,130,009	07/14/1992	Marsoner et al.			
	5,133,856	07/28/1992	Yamaguchi et al.			
	5,140,393	08/18/1992	Hijikihigawa et al.			
	5,141,868	08/25/1992	Shanks et al.			
	5,161,532	11/10/1992	Joseph			
	5,165,407	11/24/1992	Wilson et al.			
	5,168,046	12/01/1992	Hamamoto et al.			
	5,174,291	12/29/1992	Schoonen et al.			
	5,185,256	02/09/1993	Nankai et al.			
	5,192,415	03/09/1993	Yoshioka et al.			
	5,192,416	03/09/1993	Wang et al.			
	5,198,367	03/30/1993	Aizawa et al.			
	5,200,051	04/06/1993	Cozzette et al.			
	5,202,261	04/13/1993	Musho et al.			
	5,205,920	04/27/1993	Oyama et al.			
	5,206,145	04/27/1993	Cattell			
	5,208,154	05/04/1993	Weaver et al.			
	5,217,595	06/08/1993	Smith et al.			
	5,227,042	07/13/1993	Zawodzinski et al.			
	5,229,282	07/20/1993	Yoshioka et al.			
	5,250,439	10/05/1993	Musho et al.			
	5,262,035	11/16/1993	Gregg et al.			

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U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>EP</i>	5,262,305	11/16/1993	Heller et al.			
	5,264,103	11/23/1993	Yoshioka et al.			
	5,264,106	11/23/1993	McAleer et al.			
	5,271,815	12/21/1993	Wong			
	5,272,060	12/21/1993	Hamamoto et al.			
	5,278,079	01/11/1994	Gubinski et al.			
	5,286,362	02/15/1994	Hoenes et al.			
	5,286,364	02/15/1994	Yacynych et al.			
	5,288,636	02/22/1994	Pollmann et al.			
	5,293,546	03/08/1994	Tadros et al.			
	5,310,885	05/10/1994	Maier et al.			
	5,320,725	06/14/1994	Gregg et al.			
	5,326,449	07/05/1994	Cunningham			
	5,337,747	08/16/1994	Nefel			
	5,352,348	10/04/1994	Young et al.			
	5,356,786	10/18/1994	Heller et al.			
	5,364,797	11/15/1994	Olson et al.			
	5,368,028	11/29/1994	Palti			
	5,372,133	12/13/1994	Hogen Esch			
	5,378,628	01/03/1995	Grätzel et al.			
	5,380,422	01/10/1995	Negishi et al.			
	5,382,346	01/17/1995	Uenoyama et al.			
	5,387,327	02/07/1995	Khan			
	5,390,671	02/21/1995	Lord et al.			
	5,391,250	02/21/1995	Cheney, II et al.			
	5,393,903	02/28/1995	Gratzel et al.			
	5,395,504	03/07/1995	Saurer et al.			
	5,411,647	05/02/1995	Johnson et al.			

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PC	5,413,690	05/09/1995	Kost et al.			
	5,422,246	06/06/1995	Koopal et al.			
	5,437,973	08/01/1995	Vadgama et al.			
	5,437,999	08/1995	Diebold et al.			
	5,478,751	12/26/1995	Oosta et al.			
	5,494,562	02/27/1996	Maley et al.			
	5,496,453	03/05/1996	Uenoyama et al.			
	5,497,772	03/12/1996	Schulman et al.			
	5,501,956	03/26/1996	Wada et al.			
	5,507,288	04/16/1996	Böcker et al.			
	5,508,171	04/16/1996	Walling et al.			
	5,514,253	05/07/1996	Davis et al.			
	5,520,787	05/28/1996	Hanagan et al.			
	5,525,511	06/11/1996	D'Costa			
	5,526,120	06/11/1996	Jina et al.			
	5,531,878	07/02/1996	Vadgama et al.			
	5,552,027	09/03/1996	Birkle et al.			
	5,556,524	09/17/1996	Albers			
	5,565,085	10/15/1996	Ikeda et al.			
	5,567,302	10/22/1996	Song et al.			
	5,568,806	10/29/1996	Cheney, II et al.			
	5,569,186	10/29/1996	Lord et al.			
	5,575,895	11/19/1996	Ikeda et al.			
	5,580,527	12/03/1996	Bell et al.			
	5,582,184	12/10/1996	Erickson et al.			
	5,582,697	12/10/1996	Ikeda et al.			
	5,582,698	12/10/1996	Flaherty et al.			
	5,586,553	12/24/1996	Halili et al.			

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EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
✓	5,589,326	12/31/1996	Deng et al.			
	5,593,852	01/14/1997	Heller et al.			
	5,596,150	01/21/1997	Arndt et al.			
	5,617,851	04/08/1997	Lipkovker			
	5,628,890	05/13/1997	Carter et al.			
	5,650,062	07/22/1997	Ikeda et al.			
	5,651,869	07/29/1997	Yoshioka et al.			
	5,660,163	08/26/1997	Schulman et al.			
	5,670,031	09/23/1997	Hintsche et al.			
	5,680,858	10/28/1997	Hansen et al.			
	5,682,233	10/28/1997	Brinda			
	5,695,623	12/09/1997	Michel et al.			
	5,695,947	12/1997	Guo et al.			
	5,708,247	01/13/1998	McAleer et al.			
	5,711,861	01/27/1998	Ward et al.			
	5,711,862	01/27/1998	Sakoda et al.			
	5,720,862	02/24/1998	Hamamoto et al.			
	5,727,548	03/17/1998	Hill et al.			
	5,741,211	04/21/1998	Renirie et al.			
	5,741,688	04/21/1998	Oxenboll et al.			
	5,746,217	05/05/1998	Erickson et al.			
	5,770,028	06/23/1998	Maley et al.			
	5,791,344	08/11/1998	Schulman et al.			
	5,804,048	09/08/1998	Wong et al.			
	5,820,570	10/13/1998	Erickson et al.			
	5,830,341	11/03/1998	Gilmartin			
	5,834,224	11/10/1998	Ruger et al.			
✓	5,837,454	11/17/1998	Cozzette et al.			

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	5,842,983	12/01/1998	Abel et al.				
	5,846,702	12/08/1998	Deng et al.				
	5,846,744	12/08/1998	Athey et al.				
	5,857,983	01/12/1999	Douglas et al.				
	5,879,311	03/09/1999	Duchon et al.				
	5,951,492	09/14/1999	Douglas et al.				
	5,951,493	09/14/1999	Douglas et al.				
	6,004,441	12/21/1999	Fujiwara et al.				
	6,033,866	03/07/2000	Guo et al.				
	6,063,039	05/16/2000	Cunningham et al.				
	6,071,391	06/06/2000	Gotoh et al.				
	6,103,033	08/15/2000	Say et al.				
	6,120,676	09/19/2000	Heller et al.				
	6,134,461	10/17/2000	Say et al.				
	6,143,164	11/07/2000	Heller et al.				
	6,175,752	01/16/2001	Say et al.				
	FOREIGN PATENT DOCUMENTS						
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	29 03 216	08/02/1979	DE			Abstract	
	227 029 A3	09/04/1985	DD (East Germany)			Abstract	
	0 048 090 A2	03/24/1982	EP				
	0 078 636 A1	05/11/1983	EP				
	0 096 288 A1	12/21/1983	EP			Abstract	
	0 125 139 A2	11/14/1984	EP				
	0 136 362 A1	04/10/1985	EP				
	0 170 375 A2	02/05/1986	EP				
	0 080 304 B1	05/21/1986	EP				

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	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
✓	0 184 909 A2	06/18/1986	EP				
	0 206 218 A2	12/30/1986	EP				
	0 230 472 A1	08/05/1987	EP				
	0 241 309 A3	10/14/1987	EP				
	0 245 073 A2	11/11/1987	EP				
	0 255 291 B1	06/24/1992	EP				
	0 278 647 A2	08/17/1988	EP				
	0 286 084 A2	10/12/1988	EP				
	0 359 831 A1	03/28/1990	EP				
	0 368 209 A1	05/16/1990	EP				
	0 390 390 A1	10/03/1990	EP				
	0 400 918 A1	12/05/1990	EP				
	0 453 283 A1	10/23/1991	EP				
	0 470 290 A1	02/12/1992	EP			Abstract	
	0 127 958 B2	04/10/1996	EP				
	0 781 406 B1	05/06/1998	EP				
	1394 171	05/14/1975	GB				
	2 073 891 A	10/21/1981	GB				
	2 154 003 B	08/29/1985	GB				
	2 204 408 A	11/09/1988	GB				
	54-41191	04/02/1979	JP			Abstract	
	55-10581	01/25/1980	JP			Abstract	
	55-10583	01/25/1980	JP			Abstract	
	55-10584	01/25/1980	JP			Abstract	
	55-12406	01/29/1980	JP			Abstract	
	56-163447	12/16/1981	JP			Abstract	
	57-70448	04/30/1982	JP			Abstract	
✓	60-173457	09/06/1985	JP			Abstract	

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						YES	NO
①	60-173458	09/06/1985	JP			Abstract	
	60-173459	09/06/1985	JP			Abstract	
	61-90050	05/08/1986	JP			Abstract	
	62-85855	04/20/1987	JP			Abstract	
	62-114747	05/26/1987	JP			Abstract	
	63-58149	03/12/1988	JP			Abstract	
	63-128252	05/31/1988	JP			Abstract	
	63-139246	06/11/1988	JP			Abstract	
	63-294799	12/01/1988	JP			Abstract	
	63-317758	12/26/1988	JP			Abstract	
	1-114746	05/08/1989	JP			Abstract	
	1-114747	05/08/1989	JP			Abstract	
	1-134244	05/26/1989	JP			Abstract	
	1-156658	06/20/1989	JP			Abstract	
	2-62958	03/02/1990	JP			Abstract	
	2-120655	05/08/1990	JP			Abstract	
	2-287145	11/27/1990	JP			Abstract	
	2-310457	12/26/1990	JP			Abstract	
	3-26956	02/05/1991	JP			Abstract	
	3-28752	02/06/1991	JP			Abstract	
	3-202764	09/04/1991	JP			Abstract	
	5-72171	03/23/1993	JP			Abstract	
	5-196595	08/06/1993	JP			Abstract	
	WO 85/05119	11/21/1985	PCT			Abstract	
	WO 89/08713	09/21/1989	PCT				
	WO 90/05300	05/17/1990	PCT				
	WO 91/04704	04/18/1991	PCT			Abstract	
	WO 91/09139	06/1991	PCT				

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						YES	NO
<i>P</i>	WO 92/13271	08/06/1992	PCT				
	WO 94/20602	09/15/1994	PCT				
	WO 94/27140	11/24/1994	PCT				
	WO 95/02817	01/26/1995	PCT				
	WO 97/00441	01/03/1997	PCT				
	WO 97/18464	05/1997	PCT				
	WO 97/19344	05/29/1997	PCT				
	WO 97/42882	11/20/1997	PCT				
	WO 97/42883	11/20/1997	PCT				
	WO 97/42886	11/20/1997	PCT				
	WO 97/42888	11/20/1997	PCT				
	WO 97/43962	11/27/1997	PCT				
	WO 98/35225	08/1998	PCT				
	WO 99/08106	02/18/1999	PCT				
	WO 99/30152	06/17/1999	PCT				
	WO 99/38003	07/29/1999	PCT				
	WO 99/45375	09/10/1999	PCT				
	WO 99/45387	09/10/1999	PCT				
	WO 99/56613	11/11/1999	PCT				
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EXAMINER	DATE CONSIDERED
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<b>FORM 1449*</b> <b>INFORMATION DISCLOSURE STATEMENT</b>  <b>IN AN APPLICATION</b> (Use several sheets if necessary)	Docket Number: 12008.39USC1	Application Number: Unknown
	Applicant: SAY ET AL.	
	Filing Date: herewith	Group Art Unit: unknown

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
		Yang, L. et al., "Determination of Oxidase Enzyme Substrates Using Cross-Flow Thin-Layer Amperometry," <i>Electroanalysis</i> , 8(8-9):716-721 (1996).
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